

Title (en)
FOAMABLE POLYESTERS BRANCHED WITH ETHYLENE COPOLYMERS

Title (de)
SCHÄUMBARE POLYESTER, VERZWEIGT MIT ETHYLENCOPOLYMEREN

Title (fr)
POLYMERES EXPANSIBLES RAMIFIES PAR DE COPOLYMERES D'ETHYLENE

Publication
EP 0824561 A1 19980225 (EN)

Application
EP 96915436 A 19960430

Priority
• US 9606092 W 19960430
• US 43812095 A 19950508

Abstract (en)
[origin: US5482977A] Disclosed are branched polyester compositions having an I.V. of at least about 0.7 dl/g and a melt viscosity sufficiently high to permit foaming during extrusion or molding operations. These branched polyesters are readily foamable with a wide range of foaming agents to provide low density shaped articles, films, and sheets. The branched polyesters comprise about 80 to about 99.9 wt % of a polyester and about 0.1 to about 20 wt % of an ethylene copolymer containing repeat units of ethylene and of a monomer selected from the group comprising acrylic acid, methacrylic acid, alkyl acrylate, alkyl methacrylate and vinyl alcohol. The polyester comprises repeat units from about 75 to 100 mol % of a dibasic acid having from about 6 to about 40 carbon atoms and 0 to about 25 mol % of a modifying dibasic acid and repeat units from about 75 to 100 mol % of a glycol having from about 2 to about 10 carbon atoms, 0 to about 25 mol % of a modifying glycol and 0 to about 25 mol % of a modifying compound selected from the group comprising amino alcohols, diamines and lactams.

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IPC 8 full level
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Citation (search report)
See references of WO 9635736A1

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